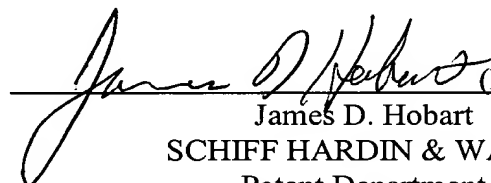


REMARKS

Claims 16-30 are presented for examination.

By this amendment, the specification has been amended to add headings, to correct grammatical errors and to specifically recite structure which was referred to as being "according to the claims". The Abstract has been amended to place it in U.S. form and to remove terms such as "invention". The changes to the specification are attached herewith in a marked-up version. Claims 1-15 have been rewritten as claims 16-30 to remove element numbers in the claims and to place the claims in form for examination in the United States Patent Office. It is respectfully submitted that these amendments do not change the indication of allowability set forth in the Preliminary Examination Report of October 19, 2000.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Page 4, paragraph starting at line 17:

--SUMMARY OF THE INVENTION

5 The object of the present invention is [thus] to provide low-loss broadband filters which avoid the above-mentioned disadvantages [mentioned above].--

Page 4, paragraph starting at line 20:

10 --According to the invention, this object is achieved by a surface acoustic wave arrangement [as claimed in claim 1. Further refinements of the invention are described in the dependent claims.] comprising a piezoelectric substrate; at least two surface acoustic wave structures, which are fitted on the substrate, are arranged one behind the other in the propagation direction of the surface acoustic waves, comprise metallic fingers and have a first and second finger period; the two surface acoustic wave structures having a different phase and/or different finger period; fingers at the
15 ends of the two surface acoustic wave structures forming a junction region from a first to a second surface acoustic wave structure; and the local finger period of the first surface acoustic wave structure initially decreasing continuously in the junction region and finally rises continuously again until the finger period of the second surface acoustic wave structure is reached.

20 The junction region is formed by 5 to 8 fingers at the ends of the two surface acoustic wave structures. The surface acoustic wave structures can be two interdigital transducers, or a reflector in combination with an interdigital transducer, or two reflectors. Preferably, the widths of the fingers of the two structure initially

decrease and increase in the junction region and the structure having metallization ratio η of 0.7 to 0.8.

5 The arrangement may be a dual mode surface acoustic wave filter (DMS filter), with interdigital transducers which are used as input and output transducers being arranged between two reflectors in one acoustic track, and the surface acoustic wave structures being selected from interdigital transducers and reflectors. The reflectors are connected to the ground. The metallization height of the surface acoustic wave structures is in the region from 9 to 11% of the wavelength, which is associated with the surface acoustic wave structures, of the surface acoustic waves.

10 The arrangement can have three interdigital transducers which are arranged one behind the other between two reflectors with the central interdigital transducer, which is connected to a first connection, having a total of 27 to 35 electrode fingers and, in contrast, the two outer interdigital transducers, which are connected to a second connection, have a total of 20 to 24 electrode fingers. The distances between
15 the central interdigital transducer and the two outer interdigital transducers are of different magnitude.

20 The arrangement can be in the form of a two-track arrangement, with the finger periods of the reflectors in the two tracks being of different magnitude. The arrangement can be in the form of a reactance filter with single-port resonators, with a junction between the different finger periods of an interdigital transducer and a reflector in at least one single-port resonator. --

Page 6, paragraph starting at line 30:

--The invention will be explained in more detail in the following text, with reference to exemplary embodiments and the [five associated figures, in which:]
25 drawings.

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BRIEF DESCRIPTION OF THE DRAWINGS--

Page 7, paragraph starting at line 13:

--Figure 5 is a graph showing [shows] a comparison of the pass characteristic of filters according to the invention and known filters, based on measured curves.

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DESCRIPTION OF THE PREFERRED EMBODIMENTS--.

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